

REMARKS

Claims 3-7, 9-10, 12-15, and 17 have been amended to delete the multiple dependancies.

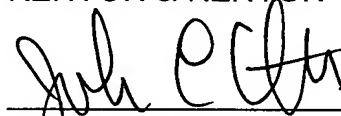
Attached hereto is a marked-up version of the changes made to the specification. The attached pages are captioned "Version with markings to show changes made."

Examination in light of these amendments is respectfully requested.

The Office is hereby authorized to charge any additional fees or credit any overpayments under 37 C.F.R. §1.16 or §1.17 to Deposit Account No. 11-0600. The Examiner is invited to contact the undersigned at 202-220-4247 to discuss any matter regarding this application.

Respectfully submitted,

KENYON & KENYON

A handwritten signature in black ink, appearing to read 'John C. Altmiller', is written over a horizontal line.

John C. Altmiller
(Reg. No. 25,951)

Dated: 03 January 2002

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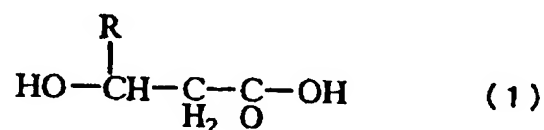
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Version with Markings to Show Changes Made

In the Claims:

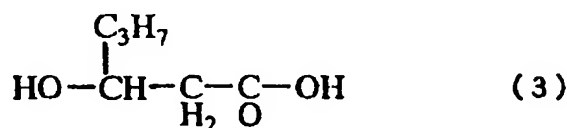
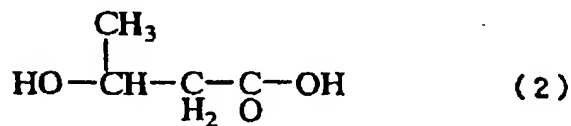
Please amend claims 3-7, 9-10, 12-15, and 17, as follows:

1. A transformant
wherein at least one kind of gene expression cassette comprising a polyester synthesis-associated enzyme gene has been introduced into a yeast.
2. The transformant according to Claim 1
wherein the polyester is a copolymer resulting from the to copolymerization of 3-hydroxyalkanoic acids of the following general formula (1);



in the formula, R represents an alkyl group.

3. The transformant according to Claim 1 [or 2]
wherein the polyester is copolyester P(3HB-co-3HH) resulting from the copolymerization of 3-hydroxybutyric acid of the following formula (2) and 3-hydroxyhexanoic acid of the following formula (3);



4. The transformant according to [any of Claims 1 to 3] Claim 1
wherein the yeast belongs to any of the genera

Aciculoconidium, Ambrosiozyma, Arthroascus, Arxiozyma, Ashbya, Babjevia, Bensingtonia, Botryoascus, Botryozyma, Brettanomyces, Bullera, Bulleromyces, Candida, Citeromyces, Clavispora, Cryptococcus, Cystofilobasidium, Debaryomyces, Dekkara, Dipodascopsis, Dipodascus, Eeniella, Endomycopsella, Eremascus, Eremothecium, Erythrobasidium, Fellomyces, Filobasidium, Galactomyces, Geotrichum, Guilliermondella, Hanseniaspora, Hansenula, Hasegawaea, Holtermannia, Hormoascus, Hyphopichia, Issatchenkia, Kloeckera, Kloeckeraspora, Kluyveromyces, Kondoa, Kuraishia, Kurtzmanomyces, Leucosporidium, Lipomyces, Lodderomyces, Malassezia, Metschnikowia, Mrakia, Myxozyma, Nadsonia, Nakazawaea, Nematospora, Ogataea, Oosporidium, Pachysolen, Phachytichospora, Phaffia, Pichia, Rhodosporeidium, Rhodotorula, Saccharomyces, Saccharomycodes, Saccharomycopsis, Saitoella, Sakaguchia, Saturnospora, Schizoblastosporion, Schizosaccharomyces, Schwanniomyces, Sporidiobolus, Sporobolomyces, Sporopachydermia, Stephanoascus, Sterigmatomyces, Sterigmatosporidium, Symbiotaphrina, Sympodiomyces, Sympodiomycopsis, Torulaspora, Trichosporiella, Trichosporon, Trigonopsis, Tsuchiyaea, Udeniomyces, Waltomyces, Wickerhamia, Wickerhamiella, Williopsis, Yamadazyma, Yarrowia, Zygoascus, Zygosaccharomyces, Zygowilliopsis and Zygozyma.

5. The transformant according to [any of Claims 1 to 4] Claim 1 wherein the yeast is Yarrowia lipolytica.
6. The transformant according to [any of Claims 1 to 4] Claim 1 wherein the yeast is Candida maltosa.
7. The transformant according to [any of Claims 1 to 6] Claim 1 wherein a polyester synthesis-associated enzyme gene expression cassette comprises a promoter and a terminator, said promoter and said terminator functioning in a yeast.
8. The transformant according to Claim 7 wherein the promoter and terminator are derived from Yarrowia lipolytica.

9. The transformant according to Claim 7 [or 8]
wherein the promoter is derived from Yarrowia lipolytica ALK3.
10. The transformant according to Claim 7 [or 8]
wherein the terminator is derived from Yarrowia lipolytica XPR2.
11. The transformant according to Claim 7
wherein the promoter and terminator are derived from Candida maltosa.
12. The transformant according to Claim 7 [or 11]
wherein the promoter is derived from Candida maltosa ALK1.
13. The transformant according to Claim 7 [or 11]
wherein the terminator is derived from Candida maltosa ALK1.
14. The transformant according to [any of Claims 1 to 13] Claim 1
wherein the polyester synthesis-associated enzyme gene is derived from Aeromonas caviae.
15. The transformant according to [any of Claims 1 to 13] Claim 1
wherein the polyester synthesis-associated enzyme gene is a PHA synthase gene derived from Aeromonas caviae or a PHA synthase gene and (R)-specific enoyl-CoA hydratase gene.
16. The transformant according to Claim 15
wherein said PHA synthase gene has the sequence represented by SEQ ID N0:3
and the (R)-specific enoyl-CoA hydratase gene has the sequence represented by SEQ ID N0:4.
17. A method of producing a polyester using the transformant according to [any of Claims 1 to 16] Claim 1
which comprises growing said transformant and harvesting a polyester from the resulting culture.

18. A polyester synthesis-associated enzyme gene which is modified from at least one gene code CTG to TTA, TTG, CTT, CTC or CTA.
19. The polyester synthesis-associated enzyme gene according to Claim 18 which codes for an enzyme derived from a bacterium.
20. The polyester synthesis-associated enzyme gene according to Claim 19 wherein said bacterium is Aeromonas caviae.
21. The polyester synthesis-associated enzyme gene according to Claim 20 wherein the enzyme gene derived from Aeromonas caviae is a PHA synthase gene or a (R) -specific enoyl-CoA hydratase gene.
22. The polyester synthesis-associated enzyme gene according to Claim 21 wherein said PHA synthase gene has the sequence represented by SEQ ID N0:3.
23. The polyester synthesis-associated enzyme gene according to Claim 21 wherein said (R)-specific enoyl-CoA hydratase gene has the sequence represented by SEQ ID N0:4.